

Technical Data Sheet

Algaecide-Extra-II

SPECIMEN LABEL

For indoor or outdoor uses.

KEEP OUT OF REACH OF CHILDREN

(If you do not understand this label, find someone to explain it to you in detail.)

FIRST AID

If in eyes

- Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

If on skin or clothing

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 – 20 minutes.
- Call a poison control center or doctor for treatment advice.

If swallowed

- Call poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

If inhaled

- Move person to fresh air.
- If person is not breathing, call an ambulance and then give artificial respiration, preferably mouth-to-mouth if possible.
- Call poison control center or doctor for treatment advice.
- Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

Manufacturer Info:

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PRECAUTIONARY STATEMENTS:
HAZARDS TO HUMAN AND DOMESTIC ANIMALS.



DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

When handling wear protective eyewear (goggles or face shield) and chemical resistant gloves. Applicators and handlers must wear coveralls over long-sleeved shirt, long pants, and chemical resistant footwear plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds. Do not contaminate water when disposing of equipment wash-water or rinsate. This product is highly toxic to bees and other beneficial insects exposed to direct contact on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Do not apply this product or allow it to drift to crops where beneficial are part of an integrated pest management strategy.

PHYSICAL AND CHEMICAL HAZARDS

Strong oxidizing agent. **Corrosive.** Do not bring in contact with other pesticides, cleaners or oxidative agents.

DIRECTIONS FOR USE

It is a violation of law to use this product in a manner inconsistent with its labeling. For any requirements specific to your country, consult the agency responsible for pesticide regulation.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Avoid use near shallow water body margins during amphibian breeding seasons.

For enclosed environments:

There is a restricted entry of one (1) hour for this product when applied via spraying or foaming on hard surfaces in enclosed environments. PPE requirement for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is **coveralls, waterproof gloves and shoes plus socks.**

There is a restricted entry of zero (0) hours for spreading, broadcasting, spot treatment, injection or other non-spraying or non-foaming application methods when used in enclosed environments.

For water treatment and applications in non-enclosed environments: Keep unprotected persons out of treated areas until sprays have dried or dusts have settled.



Apply **Algaecide-Extra-II Granular Algaecide/Fungicide** to any listed water or surface sites.

Application sites include:

Farms, Sod Farms, Aquaculture Production Facilities, Fisheries, Hatcheries, Greenhouses, Nurseries, Golf Courses, Amusement Parks, Water Parks, Aquariums, Zoos, Botanical Gardens, National Parks, Recreational Areas, Non-Chlorinated Swimming Areas, Raceways, Sports Facilities, Business Parks, Indoor/Interiors, Malls, Hotels, Kennels, Livestock Barns, Livestock Stalls and Holding Pens, Cemeteries, Carwashes, Marinas, Boats, Docks, Garden Centers, Power Washing, Water Gardens, Landscapes, Municipalities, Reservoirs, Waterways, Storm Waters, Drainage Systems, Impounded Waters, and Wastewater.

Application surfaces include:

WATER SURFACES

Ponds, Lakes, Lagoons, Fish Ponds, Stock Tanks, Golf Course Ponds, Industrial/Commercial Ponds, Impounded Waters, Standing Water, Bilge Water, Reservoir Water, Waterways, Cooling Towers, Conveyance Ditches, Canals, Laterals, Drainage Systems, Irrigation Systems, Irrigation Ponds, Catch Basins, Flooded Areas, Sewage Systems, Drain Fields, Fire Ponds, Watering Tanks, Storage Tanks, Water Collectors and Domestic/ Commercial Waters

NON-PAINTED SURFACES

Floors, Walkways, Storage Areas, Patios, Decks, Railings, Roofs, Asphalt Shingles, Siding, Fiberglass, Boats, Piers, Docks, Stairs, Ramps, Ground Cover Mats, Weed Control Mats, Animal Bedding and Litter, Concrete, Brick, Tile, Slate, Granite, Statues/ Monuments, Outdoor Furniture, Tennis Courts (non-grass), Nursery Yards, Shorelines, Gravel, Dirt Floors, Under Benches, and Other Non-Painted Surfaces

WATER TREATMENT:

Use **Algaecide-Extra-II Granular Algaecide** to treat, control, and prevent a broad spectrum of algae and fungus. Effects of treatment are immediately apparent (bubbling, bleaching/ discoloration of algae or fungus, floating of dead organic matter).

Waters treated with **Algaecide-Extra-II Granular Algaecide** are permissible to be used without interruption.

DETERMINING WATER VOLUME

Measure length (L), width (W), and average depth (D) in feet (ft) and calculate volume using one of the following formulas:

Square/Rectangular:

$$L(\text{ft}) \times W(\text{ft}) \times D(\text{ft}) \times 7.5 = \text{Gallons}$$
$$L(\text{m}) \times W(\text{m}) \times D(\text{m}) \times 1,000 = \text{Liters}$$

Circular/ Elliptical:

$$L(\text{ft}) \times W(\text{ft}) \times D(\text{ft}) \times 5.9 = \text{Gallons}$$
$$L(\text{m}) \times W(\text{m}) \times D(\text{m}) \times 786 = \text{Liters}$$

APPLICATION RATES Full Water Volume Rates:

GENERAL TREATMENT NOTES

<p>GRANULAR: Large Volume <i>For Example: Lakes, Ponds, Lagoons</i></p>	<p>HEAVY ALGAE GROWTH 50-250 lb. of Algaecide-Extra-II per million gallons of water</p>
	<p>LOW ALGAE GROWTH/ MAINTENANCE 5-25 lb. of Algaecide-Extra-II per million gallons of water</p>
<p>GRANULAR: Small Volume <i>For Example: Indoor or Outdoor Water Gardens, Fountains, Ornamental Waterfalls</i></p>	<p>HEAVY ALGAE GROWTH 2-10 tablespoons of Algaecide-Extra-II per 1000 gallons of water. <i>(16 Tbs. = 1 Cup) (2 Cups = 1 lb.)</i></p>
	<p>LOW ALGAE GROWTH/MAINTENANCE 1-3 teaspoons of Algaecide-Extra-II per 1000 gallons of water. <i>(3 tsp. = 1 Tbs.)</i></p>

- Apply early in the day under calm, sunny conditions, and when water temperatures are warm. Sunlight and higher temperatures both enhance **Algaecide-Extra-II** Granular Algaecide activity.
- Apply in a manner that will ensure even distribution of **Algaecide-Extra-II** Granular Algaecide within the treatment area.
- Break up any heavy floating algae mats before or during application.
- Skim any dead algae and organic matter that rises to the water’s surface after treatment. Allowing dead organics to sink and decay will provide a food source and additional nutrients that stimulate algae re-growth and further blooms.
- Use **Algaecide-Extra-II** Granular Algaecide as an integral part of your water management system. If using in conjunction with other water additives (such as bacteria or enzymes), always apply **Algaecide-Extra-II** Granular Algaecide first and wait several hours before adding any other products.
- Re-treat areas if re-growth begins to appear. Allow 48 hours between consecutive treatments.
- Maintain an algae free pond with **Algaecide-Extra-II** Granular Algaecide maintenance rates at a frequency appropriate for your environmental conditions.
- In regions where water freezes in the winter, treatment with **Algaecide-Extra-II** Granular Algaecide (including skimming) 6-8 weeks before expected freeze will help prevent masses of decaying algae under the ice cover.

Important Note:

Control is most easily achieved when algae are not yet well established. Treat when growth first begins to appear. This is especially important in the prevention of clogged irrigation systems, pumps, filters etc.

APPLICATION RATES Surface Water Volume Only Rates:

GRANULAR	HEAVY ALGAE GROWTH 50-250 lb. of Algaecide-Extra-II per million gallons of water
	LOW ALGAE GROWTH/ MAINTENANCE 5-25 lb. of Algaecide-Extra-II per million gallons of water
LIQUID	Due to solubility limitations, use at least 1 gallon of water to fully dissolve each 0.5 lb. of Algaecide-Extra-II Dissolution in cold water takes approximately 5 minutes
	SOLUTION PREPARATION: TREATMENT RATES: Use the same rates as the granular application given above

- After application, do not allow undiluted granules to remain in an area where humans or animals are exposed.
- Non-target plants will suffer contact burn if undiluted granules are accidentally spilled on them. Do not apply in such a way that the concentrated product comes in contact with grass, ornamentals and other foliage.
- Do not tank mix with aquatic herbicides or algaecides containing copper or bromides. Always apply **Algaecide-Extra-II** Granular Algaecide treatments are successful when contact of the pesticide is made with the algae.
- 100 pounds of **Algaecide-Extra-II** Granular Algaecide per million gallons of water = 4ppm of sodium.
- Liquid applications will not sink through the water column as readily as a granular application.

EFFECTIVENESS FACTORS

- Effects of **Algaecide-Extra-II** Granular Algaecide treatment are immediately apparent (bubbling, bleaching/discoloration of algae, floating dead organic matter).
- **Algaecide-Extra-II** Granular Algaecide treatments are successful when contact of the pesticide is made with the algae.
- When treating surface mats and blooms, it is possible that **Algaecide-Extra-II** Granular Algaecide will not penetrate the water column below the infested area, and a second application is then required for treating any bottom growing algae.

Use a “surface only” treatment for suspended algae and free-floating algae mats.

- Apply more frequently during the summer months when water consumption and temperatures are high.

APPLICATION METHODS

In bodies of water where an aerator is available, and when treating the entire water volume, dose **Algaecide-Extra-II** Granular Algaecide at the edges, or in the turbulence created while the aerator runs to facilitate rapid and adequate mixing.

SPREADING/BROADCASTING

Broadcast **Algaecide-Extra-II** Granular Algaecide with a mechanical spreader or by hand, directly on the water surface, from shore or from a properly equipped boat.

SPOT TREATMENT

Apply **Algaecide-Extra-II** Granular Algaecide directly over the infested area. Re-treatment is required when heavy growth occurs.

LIQUID

Make a solution with **Algaecide-Extra-II** Granular Algaecide (refer to liquid application rates). Spray this solution on the water surface from shore or a properly equipped boat. When using this method, the wind direction is important as well as the operation of the boat. If using slurry, agitate constantly.

INJECTION

Make a solution with **Algaecide-Extra-II** Granular Algaecide (refer to liquid application rates). Inject this solution into the water via a piping system.

SUBSURFACE

Place **Algaecide-Extra-II** Granular Algaecide in burlap bags and drag through the water by means of a boat. Use granular application rates. Begin treatment along the shoreline, and proceed outward. The path of the boat shall insure an even distribution. Continue dragging until all **Algaecide-Extra-II** Granular Algaecide is dissolved.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE:

Store in original containers in a cool, well-vented area, away from direct sunlight. Do not allow product to become overheated in storage. This may cause increased degradation of the product, which will decrease product effectiveness. In case of spill, flood area with large quantities of water. Do not store in a manner where cross-contamination with other pesticides or fertilizers could occur.

PESTICIDE DISPOSAL:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited. If wastes cannot be disposed of according to label directions, contact your Environmental Agency for guidance.

CONTAINER DISPOSAL:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by burning. If burned, stay out of smoke.



WARRANTY

This material conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Timing, unfavorable temperatures, water conditions, presence of other materials, method of application, weather, watering practices, nature of soil, disease problem, condition of crop, incompatibility with other chemicals, pre-existing conditions and other conditions influencing the use of this product are beyond the control of the seller. Buyer assumes all risks associated with the use, storage, or handling of this material not in strict accordance with directions given herewith. NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY IS MADE.